

PL-611 Zulu IV - 1973 Various special purpose variants

Soviet Union [-1991]

Type: SS - Attack/Fleet Submarine

Max Depth: -170 m

Max Speed: 16 kt

Commissioned: 1973

Decommissioned: 1989

Length: 90.5 m

Beam: 7.5 m

Draft: 5.1 m

Crew: 65

Displacement: 1832 t

Displacement Full: 2350 t

Propulsion: Diesels



Sensors / EW:

- Quad Loop DF - ESM, HF/DF, Max range: 926 km
- Stop Light B [Nakat] - (Golf Ball) ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- Snoop Plate [Flag] - (Golf Ball) Radar, Radar, Surface Search, Short-Range, Max range: 46.3 km
- Mars-24KIG - (Large Submarines) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Search, Max range: 3.7 km
- Perch Gill [Tamir-5L/LS] - (Submarine) Hull Sonar, Active-Only, Hull Sonar, Active-Only Search, Max range: 3.7 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1970s, Gen 1, 1x/2x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 27.8 km

Weapons / Loadouts:

- 53-51 Pattern Runner - (1952, Russia Only) Torpedo. Surface Max: 5.6 km.

OVERVIEW: The ZULU class SS (Project 611) is a diesel powered attack submarine.

DETAILS: The ZULU SS were a longer-range equivalent of the WHISKEY class.

Specifications:

Displacement: 2,350 tons submerged.

Speed: approximately 16 knots surfaced, 16 knots submerged

Machinery: 3 2000bhp diesel

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Endurance: 70 days; 20,000 nm surfaced; 9,500 nm/8 knts

Operational Depth: 300 m

Maximum Depth: 500m

Complement: 72

Hulls built: 26

Period of Service: 1953-1983

NOTES: Design was influenced by the German Type XXI U-boat of WWII. The class was originally equipped with deck guns, but all were removed in the 1950's.

SOURCES: Conway's All the World's Fighting Ships, 1947-1982. Part II: The Warsaw Pact and Non-Aligned Nations. London: Conway Maritime Press, 1983, pg 493 ; <http://www.deepstorm.ru/DeepStorm.files/45-92/dts/611/list.htm> ; http://www.russianwarrior.com/STMMain.htm?1947vec_Zulu.htm&1 ; Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 563.